

Abstract

The present invention provides a ceramic honeycomb filter, wherein a value obtained by dividing the cube of a porosity (%) in the partition walls having the catalyst(the porosity is a proportion of the volume of the total pores contained in the partition walls, to the total volume of the partition walls including the total pores) by a mean diameter (μm) of all pores, is 0.8×10^4 or less, and a porosity (%) of pores of $100 \mu\text{m}$ or above in diameter in the partition walls(the porosity is a proportion of the volume of the pores of $100 \mu\text{m}$ or above in diameter, to the total volume of the partition walls including the total pores) is 5% or less. With this ceramic honeycomb filter, particulate matter such as soot, deposited on the partition walls can be treated at low temperatures.